IN THE CLAIMS

1. (Currently Amended) A method for automatically generating a service plan and associated workflow for a customer using a computer based network comprising the steps of:

creating a plurality of structured sentences for each of a plurality of identified customer

specific needs of a particular customer in an electronic storage area, said plurality of structured sentences including structured sentences for services, each structured sentence for service identifying a needed service corresponding to one of the identified specific customer needs; and creating an electronic workflow adapted to assist completion of each needed service.

- 2. (Previously Amended) A method according to claim 1 wherein said step of creating the electronic workflow creates a workflow process instance for each needed service, such that there exists a workflow process instance associated with each structured sentence for service.
- 3. (Original) A method according to claim 2 wherein said plurality of structured sentences have a subject and a plurality of attributes contained therein.
- 4. (Original) A method according to claim 3 wherein certain of the attributes associated with the structured sentences for services contain a selected attribute value chosen from among a group of possible attribute values.
- 5. (Original) A method according to claim 4 wherein certain ones of said workflow process instances have at least one decision step, task firing condition or routing rules that creates a plurality of possible sequences of tasks that are invoked as part of the execution of said workflow process instances.
- 6. (Original) A method according to claim 5 further including the step of modifying at least one of the structured sentence attributes, which modification also causes a change to the sequence of tasks invoked within at least one of the workflow process instances.

- 7. (Original) A method according to claim 5 wherein selecting a different one of the possible attributes from among the group of possible attributes will result in the selection of a different one of the plurality of possible routes with respect to an associated decision step, task firing condition or routing rule.
- 8. (Original) A method according to claim 3 further including the step of electronically input input input answers to questions, and wherein the electronically input answers to questions also causes a change to the sequence of tasks invoked within at least one of the workflow process instances.
- 9. (Original) A method according to claim 8 wherein the step of electronically inputting answers to questions is performed by the customer.
- 10. (Original) A method according to claim 9 wherein the step of electronically inputting answers includes the steps of the customer remotely answering questions and transmitting the questions for inputting via the Internet.
- 11. (**Previously Amended**) A method according to claim 12 wherein certain ones of said workflow process instances have at least one decision step, task firing condition or routing rule that creates a plurality of possible routes contained therein, and further including the step of creating or modifying at least one of the workflow relevant data items, which modification also causes a change to the sequence of tasks invoked within at least one of the workflow process instances.
- 12. (Original) A method according to claim 2 wherein certain ones of said plurality of workflow process instances have workflow relevant data contained therein.
- 13. (Original) A method according to claim 12 further including the step of electronically inputting answers to questions, and wherein the electronically input answers to questions are used to create or modify workflow relevant data for certain ones of the workflow process instances.
- 14. (Currently Amended) A method according to claim 5 wherein the step of executing the workflow process instance further includes the step of executing invoking and executing preexisting query data items, that create or modify thereby causing workflow relevant data to be



created or modified, said query data items containing using query metadata that maps response options in a question or structured sentence data item to other response options in at least one other question or structured sentence data item, thereby creating a single data value used in a decision step, task firing condition or routing rule as part of the execution of said workflow process instance.

- 15. (Currently Amended) A method according to claim 1, wherein the plan is a care plan, the customer is a patient, and the plurality of identified specific customer needs are health related problems to be addressed as part of the patient's care.
- (Previously Amended) A method according to claim 15, wherein the step of creating the plurality of structured sentences is created by an interdisciplinary team of clinicians.
- 17. (Original) A method according to claim 1 wherein the step of creating the electronic workflow includes creating an alert that will signify that an action needs to be taken.
- 18. (Original) A method according to claim 1 further including the steps of automatically generating a translation of the service plan and transmitting the translation of the service plan to the customer.
- 19. (Original) A method according to claim 18 further including the step of revising the automatically generated translation prior to the step of transmitting.
- 20. (Original) A method according to claim 18 wherein the step of transmitting transmits the translation to a remote computer associated with the customer.
- 21. (Original) A method according to claim 1 further including the step of creating other structured sentences, said other structured sentences including structured sentences for a goal, a fact, a protocol, and a finding.
- 22. (**Original**) A method according to claim 1 further including the step of initiating the workflow.

- 23. (Previously Amended) A method according to claim 22 further including updating status information for the service plan as workflow progresses.
- 24. (**Previously Amended**) A method according to claim 23 wherein updates are provided to a user of the service plan in one form and updates are provided to the customer in another form.
- 25. (Original) A method according to claim 24 wherein the one form is directed to a clinician and the other form is directed to a nonmedical person.
- 26. (Currently Amended) A method of automatically updating a predetermined plurality of existing service plans corresponding to a respective plurality of customers, each of said service plans including a plurality of structured sentences for each of a plurality of identified customer needs specific needs of a particular customer, each of said service plans stored in an electronic storage area, said plurality of structured sentences including structured sentences for services, each structured sentence for service identifying a needed service corresponding to one of the identified customer needs specific needs of a particular customer, and an electronic work flow capable of assisting completion of each needed service, the method comprising the steps of:

generating a report based upon data contained within each of the predetermined plurality of existing service plans or from data obtained from performing workflow associated with each of the predetermined plurality of existing service plans;

selecting a plurality of customers in need of one or more services

adding new structured sentences that are common to the predetermined plurality of existing service plans for the selected plurality of customers; and

adding workflow instances corresponding to the new structured sentences; and causing initiation of the revised workflow instances for each revised service plan.

27. (Original) A method according to claim 26 wherein said plurality of structured sentences have a subject and a plurality of attributes contained therein and wherein the step of adding new structured sentences includes the step of determining certain of said plurality of attributes for said new structured sentences based upon a characteristic that is common to each of said respective plurality of customers.

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- 28. (Original) A method according to claim 26 wherein said plurality of structured sentences have a subject and a plurality of attributes contained therein and wherein the step of adding new structured sentences includes the step of individually determining other ones of said plurality of attributes for said new structured sentences based upon another characteristic that is not common for each of said respective plurality of customers.
- 29. (Original) A method according to claim 26 wherein the step of adding new structured sentences further includes the step of modifying certain existing structured sentences that are common to the predetermined plurality of existing service plans based upon the data; and wherein

the step of adding workflow instances includes the step of revising workflow instances associated with the modified certain existing structured sentences.

30. (Currently Amended) A method for creating a service plan and associated workflow for a customer using a computer based network comprising the steps of:

providing electronically:

a plurality of structured sentence data items for each of a plurality of possible customer needs in an electronic storage area, said plurality of structured sentence data items including structured sentence data items for services, each structured sentence data item for service identifying a needed service corresponding to one of the possible customer needs;

an a generic electronic work flow process specification capable of assisting completion of each needed service; and

at least first and second templates, each of said at least first and second templates comprising a different set of certain ones of said plurality of structured sentence data items that each relate to different possible customer needs;

selecting at least a first template that relates to an identified customer need; and selecting those structured sentence data items within the first template that relate to the <u>a</u> specific need of a particular customer, the step of selecting those structured sentence data items also causing the selection of workflow instances adapted to assist completion of each needed service.

31. (Currently Amended) A method according to claim 30 wherein said plurality of structured sentence data items have a subject and a plurality of attributes contained therein and wherein the step of selecting those structured sentence data items includes the step of determining the values for a

plurality of said attributes for corresponding structured sentences in a the service plan for a the particular customer.

- 32. (Previously Amended) A method according to claim 31 wherein the attribute values for certain ones of said plurality of attributes is selectable from a collection of mutually exclusive choices.
- 33. (Original) A method according to claim 31 wherein the attribute for certain ones of said plurality of attributes is a date.
- (34. (Original) A method according to claim 31 wherein the attribute for certain ones of said plurality of attributes is a dosage.
- 35. (Currently Amended) A method according to claim 30, wherein the service plan is a care plan, the customer is a patient, the plurality of possible customer needs are health related problems, and the identified specific need of the particular customer needs are those is a health related problems of the particular customer.
- 36. (Original) A method according to claim 30 further including the step of initiating the workflow, the step of initiating the workflow being caused by a user verifying the accuracy of the service plan.
- 37. (Original) A method according to claim 30 wherein during the step of providing a plurality of structured sentence data items is accomplished by a generic metadata supplier that transmits the data to a service provider user, and the service provider user performs the steps of selecting.
- 38. (Currently Amended) A method according to claim 37 further including the step of the service provider adding structured sentences to the service plan data items to the plurality of structured sentence data items previously provided by the generic metadata supplier.

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- 39. (Currently Amended) A method according to claim 37 further including the step of the service provider modifying certain ones of the selected structured sentences <u>data items</u> from the service plan structured sentence data items previously provided by a generic metadata supplier.
- 40. (Currently Amended) A method of automatically generating the data needed to inform the process of updating metadata, including structured sentence data items and associated generic workflow process specifications that are usable adapted for the creation and execution of a service plans for nonparticular customers, said plurality of structured sentence data items including structured sentence data items for services, each structured sentence data item for service identifying a possible needed service corresponding to identified possible customer needs, said associated workflow process specification capable of assisting completion of each needed service and including a lerts that occur to signify that an action needs to be taken, the method comprising the steps of:

obtaining dismissed alerts associated with existing service plans that include correspondence of certain ones of said structured sentences, said dismissed alerts being designated as one of an appropriate alert and an inappropriate alert;

grouping related inappropriate alerts; and determining a revised generic workflow process specifications and revised structured sentences data items based upon the grouping of inappropriate alerts.

41. (Currently Amended) An apparatus for automatically generating a service plan and associated workflow for a customer comprising:

means for creating in an electronic storage area a plurality of structured sentences for each of a plurality of **identified** specific customer needs for of a particular customers, said plurality of structured sentences including structured sentences for services, each structured sentence for service identifying a needed service corresponding to one of the **identified** specific customer needs; and means for creating an electronic workflow capable of assisting completion of each needed service.

42. (Previously Amended) An apparatus according to claim 41 wherein said means for creating the electronic workflow creates a workflow process instance for each needed service, such that there exists a workflow process instance associated with each structured sentence for service.

- 43. (Original) An apparatus according to claim 42 wherein said plurality of structured sentences have a subject and a plurality of attributes contained therein.
- 44. (Original) An apparatus according to claim 43 wherein certain of the attributes associated with the structured sentences for services contain a selected attribute value chosen from among a group of possible attribute values.
- 45. (Original) An apparatus according to claim 44 wherein certain ones of said workflow process instances have at least one decision step, task firing condition or routing rule that create a plurality of possible sequences of tasks that are invoked as part of the execution of said workflow process instances.
- 46. (Original) An apparatus according to claim 45 further including means for modifying at least one of the structured sentence attributes, which modification also causes a change to the sequence of tasks invoked within at least one of the workflow process instances.
- 47. (Original) An apparatus according to claim 45 wherein selecting a different one of the possible attributes from among the group of possible attributes will result in the selection of a different one of the plurality of possible routes with respect to an associated decision step, task firing condition or routing rule.
- 48. (Original) An apparatus according to claim 43 further including means for electronically inputting answers to questions, and wherein the electronically input answers to questions also causes a change to the sequence of tasks invoked within at least one of the workflow process instances.
- 49. (Original) An apparatus according to claim 48 wherein the means for electronically inputting answers to questions is operated by the customer.
- 50. (Original) An apparatus according to claim 49 wherein the means for electronically inputting answers includes means for the customer to remotely answer questions and means for transmitting the questions for inputting via the Internet.

- 51. (Previously Amended) An apparatus according to claim 52 wherein certain ones of said workflow process instances have at least one decision step, task firing condition or routing rule that creates a plurality of possible routes contained therein, and further including the step of creating or modifying at least one of the workflow relevant data items, which modification also causes a change to the sequence of tasks invoked within at least one of the workflow process instances.
- 52. (Original) An apparatus according to claim 42 wherein certain ones of said plurality of workflow process instances have workflow relevant data contained therein.
- 53. (Original) An apparatus according to claim 52 further including means for electronically inputting answers to questions, and wherein the electronically input answers to questions are used to create or modify workflow relevant data for certain ones of the workflow process instances.
- 54. (Currently Amended) An apparatus according to claim 45 wherein the means for executing the workflow process instance further includes means for ereating invoking and executing pre-existing query data items, that create or modify thereby causing workflow relevant data to be created or modified, said query data items containing using query metadata that maps response options in a question or structured sentence data item to other response options in at least one other question or structured sentence data item, thereby creating a single data value used in a decision step, task firing condition or routing rule as part of the execution of said workflow process instance.
- 55. (Currently Amended) An apparatus according to claim 41, wherein the plan is a care plan, the customer is a patient, and the plurality of identified specific needs of the particular customer needs are those health related problems of the particular customer.
- 56. (Currently Amended) An apparatus according to claim 55, wherein the means for creating a plurality of structured sentences includes means for creating structured sentences that are is created by an interdisciplinary team of clinicians.
- 57. (Original)An apparatus according to claim 41 wherein the means for creating the electronic workflow includes means for creating an alert that will signify that an action needs to be taken.

- 58. (Original) An apparatus according to claim 41 further including means for automatically generating a translation of the service plan and means for transmitting the translation of the service plan to the customer.
- 59. (Original) An apparatus according to claim 58 further including means for revising the automatically generated translation.
- 60. (Original) An apparatus according to claim 58 wherein the means for transmitting transmits the translation to a remote computer associated with the customer.
- 61. (Original) An apparatus according to claim 41 further including means for creating other structured sentences, said other structured sentences including structured sentences for a goal, a fact, a protocol, and a finding.
- 62. (Original) An apparatus according to claim 41 further including means for initiating the workflow.
- 63. (Previously Amended) An apparatus according to claim 62 further including means for updating status information for the service plan as workflow progresses.
- 64. (**Previously Amended**) A method according to claim 63 wherein updates are provided to a user of the service plan in one form and updates are provided to the customer in another form.
- 65. (Original) An apparatus according to claim 64 wherein the one form is directed to a clinician and the other form is directed to a nonmedical person.
- 66. (**Previously Added**) A method according to claim 23 wherein the step of updating the status information for the service plan includes modifying an attribute contained in one of the structured sentences.
- 67. (Previously Added) A method according to claim 23 wherein the step of updating the status information for the service plan includes adding another structured sentence relating to services.

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- 68. (Currently Amended) A method according to claim 30 wherein the plurality of structured sentences <u>data items</u> in at least one of said first and second templates include a group of structured sentences <u>data items</u> that are associated with a <u>particular</u> customer need.
- 69. (Previously Added) The method according to claim 16 where the plurality of structured sentences is created by the interdisciplinary team of clinicians using a workflow automation process to route a draft of the plurality of structured sentences to the interdisciplinary team.
- 70. (Previously Added) The apparatus according to claim 56 where the plurality of structured sentences is created by the interdisciplinary team of clinicians using a workflow automation process to route a draft of the plurality of structured sentences to the interdisciplinary team.

Please add the following new claims:

71. (New) The method according to claim 30, wherein the step of selecting the those structured sentence data items includes the steps of:

visually displaying certain ones of the structured sentence data items on a screen of a display; and

creating one structured sentence corresponding to the specific need of the particular customer by selecting one of the displayed certain ones of the structured sentence data items.

- 72. (New) The method according to claim 71 wherein the certain ones of the structured sentence data items displayed on the screen resemble a substantially grammatically correct phrase.
- 73. (New) The method according to claim 71 wherein:

the step of visually displaying includes the step of visually displaying attributes of one of the certain ones of the structured sentence data items; and

the step of creating the one structured sentence corresponding to the specific need of the particular customer includes selecting a selected value obtained from one of the attributes.

74. (New) The method according to claim 73 wherein the step of creating further includes creating one workflow instance that corresponds to the one structured sentence.

- 75. (New) The method according to claim 71 further including the step of displaying the one structured sentence on the screen of the display after the step of creating the one structured sentence corresponding to the specific need of the particular customer.
- 76. (New) The method according to claim 75 wherein the one structured sentence displayed on the screen resembles a substantially grammatically correct phrase.
- 77. (New) The method according to claim 76 wherein the one structured sentence displayed on the screen contains information obtained from a subject of the selected one of the displayed certain ones of the structured sentence data items and a selected value corresponding to an attribute associated with the selected one of the displayed certain ones of the structured sentence data items.